

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Paul W. Dent

Serial No. 09/939,006

Filed August 24, 2001

For: **COMMUNICATION SYSTEM EMPLOYING
CHANNEL ESTIMATION LOOP-BACK
SIGNALS**

Attorney's Docket No. 4015-1600



Examiner TBA
Group Art Unit 2661

2681 #2 BT
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Raleigh, North Carolina

December 5, 2001

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Information Disclosure Statement

Sir:

Attached hereto is an information disclosure statement (PTO-1449). This IDS is being submitted before any action on the merits. As such, no fee is required. However, if fees are required, please deduct from our Deposit Account No. 18-1167.

Respectfully submitted,

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FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
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37 CFR §1.97 & 1.98**

Docket Number:	Serial Number:
4015-1600	09/939,006
Applicant:	
Paul W. Dent	
Filing Date:	Group:
December 5, 2001	2681

U. S. PATENT DOCUMENTS

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	B	5,499,272	1996	Bottomley	
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	D	5,619,503	1997	Dent	
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OTHER DOCUMENTS (including author, title, date, pages, etc.)

1	<i>Initial Estimation of Communication Efficiency of Indoor Wireless Channels</i> , G. J. Foschini and R. A. Valenzuela, Wireless Networks 3, pp. 141-154, 1997; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory, Holmdel, NJ 07733, USA
2	<i>On Limits of Wireless Communications in a Fading Environment When Using Multiple Antennas</i> , G. J. Foschini and M.J. Gans, Wireless Personal Communications, Vol. 6 (No.3), pp. 311-335, Kluwer Academic Publishers, March, 1998; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory – R137, 791 Holmdel-Keyport Road, Holmdel, NJ 07733-0400, USA



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Docket Number: 4015-1600
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Group:

U. S. PATENT DOCUMENTS

Examiner						Filing Date	
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.